

<b>FORM PTO - 1449</b> <b>INFORMATION DISCLOSURE STATEMENT</b>				<b>ATTY DOCKET NO.:</b> <u>CAN-004 (1357/5)</u> <b>APPLICANT:</b> <u>St. George-Hyslop, et al.</u> <b>SERIAL NO.:</b> <u>08/509,359</u> <b>FILING DATE:</b> <u>July 31, 1995</u>					
<b>U.S. PATENT DOCUMENTS</b>									
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
MPA	AA	5,262,332	11/16/93	Selkoe	436	518	9/19/89		
MPA	AB	5,297,562	3/29/94	Potter	128	898	4/1/91		
<b>FOREIGN PATENT DOCUMENTS</b>									
EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
MPA	BA	91/19810 -	12/26/91	WO					
MPA	BB	94/00569 -	01/06/94	WO					
MPA	BC	94/10569 -	05/11/94	WO					
MPA	BD	94/23049 -	10/13/94	WO					
MPA	BE	2,054,302 -	04/30/92	CA					
MPA	BF	2,071,105 -	12/14/92	CA					
MPA	BG	2,096,911 -	11/29/93	CA					
<b>OTHER ART, JOURNAL ARTICLES, ETC.</b>									
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
MPA	CA	Barinaga, Marcia, "New Alzheimer's Gene Found," <i>Science</i> , Vol. 268:1845-1846 (1995).							
MPA	CB	Chartier-Harlin, et al., "Early onset Alzheimer's disease caused by mutations at codon 717 of the $\beta$ -amyloid precursor protein gene," <i>Nature</i> , Vol. 353:844-846 (1991).							
MPA	CC	Foncin, et al., "Alzheimer's Presenile dementia transmitted in an extended kindred," <i>Rev. Neurol (Paris)</i> , Vol. 141:194-202 (1985). <i>ENGLISH ABSTRACT ONLY</i>							
MPA	CD	Goate, et al., "Segregation of a missense mutation in the amyloid precursor protein gene with familial Alzheimer's disease," <i>Nature</i> , Vol. 349:704-706 (1991).							
MPA	CE	Goudsmit, et al., "Familial Alzheimer's Disease in two kindreds of the same geographic and ethnic origin: a clinical and genetic study," <i>J. Neurol. Sci.</i> , Vol. 49:79-89 (1981).							
MPA	CF	Gyapay, et al., "The 1993-94 Genethon human genetic linkage map," <i>Nature Genetics</i> , Vol. 7:246-311 (1994).							

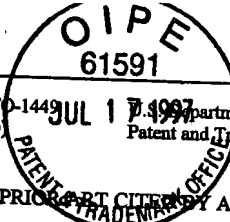
<b>FORM PTO - 1449</b>  <b>INFORMATION DISCLOSURE STATEMENT</b>		ATTY DOCKET NO.: <u>CAN-004 (1357/5)</u>  APPLICANT: <u>St. George-Hyslop, et al.</u>  SERIAL NO.: <u>08/509,359</u>  FILING DATE: <u>July 31, 1995</u>
<b>OTHER ART, JOURNAL ARTICLES, ETC.</b>		
<b>EXAM. INIT.</b>	<b>OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)</b>	

<i>MPA</i>	CG	Karlinsky, et al., "Molecular and prospective phenotypic characterization of a pedigree with familial Alzheimer's disease and a missense mutation in codon 717 of the $\beta$ -amyloid precursor protein (APP) gene," <i>Neurology</i> , Vol. 42:1445-1453 (1992).
<i>MPA</i>	CH	Katzman, R., "Alzheimer's Disease," <i>N.Eng.J.Med.</i> , Vol. 314:964-973, (1986).
<i>MPA</i>	CI	Mullan, et al., "A pathogenic mutation for probable Alzheimer's disease in the APP gene at the N-terminus of $\beta$ -amyloid," <i>Nature Genetics</i> , Vol. 1:345-347 (1992).
<i>MPA</i>	CJ	Mullan, et al., "A locus for familial early-onset Alzheimer's disease on the long arm of chromosome 14, proximal to the $\alpha$ 1-antichymotrypsin gene," <i>Nature Genetics</i> , Vol. 2:340-342 (1992).
<i>MPA</i>	CK	Murrell, et al., "A mutation in the amyloid precursor protein associated with hereditary Alzheimer's Disease," <i>Science</i> , Vol. 254:97-99 (1991).
<i>MPA</i>	CL	Nee, et al., "A family with histologically confirmed Alzheimer's Disease," <i>Arch Neurol</i> , Vol. 40:203-208 (1983).
<i>MPA</i>	CM	Pericak-Vance, et al., "Genetic linkage studies in Alzheimer's Disease families," <i>Exp. Neurol</i> , Vol. 102:271-279 (1988).
<i>MPA</i>	CN	Rogaev, et al., "Analysis of the c-FOS gene on chromosome 14 and the promoter of the amyloid precursor protein gene in familial Alzheimer's disease," <i>Neurology</i> , Vol. 43:2275-2279 (1993).
<i>MPA</i>	CO	Rommens, et al., "A transcription map of the region containing the Huntington disease gene," <i>Hum. Molec. Genet.</i> , Vol. 2:901-907 (1993).
<i>MPA</i>	CP	Sherrington, et al., "Cloning of a gene bearing missense mutations in early-onset familial Alzheimer's disease," <i>Nature</i> , Vol. 375:754-760 (1995).
<i>MPA</i>	CQ	St. George-Hyslop, et al., "Genetic linkage studies suggest that Alzheimer's disease is not a single homogeneous disorder," <i>Nature</i> , Vol. 347:194-197 (1990).
<i>MPA</i>	CR	St. George-Hyslop, et al., "Genetic evidence for a novel familial Alzheimer's disease locus on chromosome 14," <i>Nature Genetics</i> , Vol.: 2:330-334 (1992).
<i>MPA</i>	CS	St. George-Hyslop, et al., "Alzheimer's Disease and Possible Gene Interaction," <i>Science</i> , Vol. 263:537 (1994).
<i>MPA</i>	CT	Saunders, et al., "Association of apolipoprotein E allele e4 with the late-onset familial and sporadic Alzheimer's disease," <i>Neurology</i> , Vol. 43:1467-1472 (1993).
<i>MPA</i>	CU	Schellenberg, et al., "Genetic Linkage Evidence for a Familial Alzheimer's Disease Locus on Chromosome 14," <i>Science</i> , Vol. 258:668-670 (1992).
<i>MPA</i>	CV	Schellenberg, et al., "Chromosome 14 and Late-Onset Familial Alzheimer Disease (FAD)," <i>Am. J. Hum. Genet.</i> , Vol. 53:619-628 (1993).
<i>MPA</i>	CW	Strittmatter, et al., "Apolipoprotein E: high avidity binding to $\beta$ -amyloid and increased frequency of type 4 allele in late-onset familial Alzheimer's disease," <i>Proc. Nat'l. Acad. Sci. USA</i> , Vol. 90:1977-1981 (1993).

<b>FORM PTO - 1449</b>  <b>INFORMATION DISCLOSURE STATEMENT</b>		ATTY DOCKET NO.: <u>CAN-004 (1357/5)</u> APPLICANT: <u>St. George-Hyslop, et al.</u> SERIAL NO.: <u>08/509,359</u> FILING DATE: <u>July 31, 1995</u>
OTHER ART, JOURNAL ARTICLES, ETC.		
EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	

<i>MPA</i>	CX	Van Broeckhoven, et al., "Mapping of a gene predisposing to early-onset Alzheimer's disease to chromosome 14q24.3," <i>Nature Genetics</i> , Vol. 2:335-339 (1992).
<i>MPA</i>	CY	Wong, et al., "Mutation of the gene for the human lysosomal serine protease Cathepsin G is not the cause of aberrant APP processing in familial Alzheimer disease," <i>Neurosci. Lett</i> , Vol. 152:96-98 (1993).
EXAMINER <i>MP Allen</i>		DATE CONSIDERED <i>8/15/97</i>

395MJT1357/5.264281-1



FORM PTO-1449 (Rev. 7-80) <b>LIST OF PRIOR ART CITED BY APPLICANT</b> (Use several sheets if necessary)	Department of Commerce Patent and Trademark Office	Atty. Docket No. SCHERING 3.0-017 CIP CIP	Serial No. 08/509,359
	Applicant St. George-Hyslop et al.		
	Filing Date: July 31, 1995		Group <del>1819</del> 1818

U.S. PATENT DOCUMENTS							
*EXAMINER INITIALS		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)		
<i>MPA</i>	AR	Johansson, E., et al., The Journal of Biological Chemistry, 270(35):20615-20620 (1995)
<i>MPA</i>	AS	Pawlak, A., et al., EMBL Sequence Data Library, December 20, 1994, Accession No. T18858
<i>MPA</i>	AT	Auffray, C., et al., EMBL Sequence Data Library, February 17, 1995, Accession No. F08730

EXAMINER <i>MPAllen</i>	DATE CONSIDERED 8/14/97
----------------------------	----------------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1419  
(Rev. 7-80)U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
SCHERING 3.0-017 CIP CIPSerial No.  
08/509,359

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant  
St. George-Hyslop et al.

Filing Date: July 31, 1995

Group ~~1019~~ 1818

## U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	AL						
	AM						
	AN						
	AO						
	AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>MPA</i>	AR	Zahraoui, A., et al., EMBL Sequence Data Library, July 22, 1994, Accession No. X56740
<i>MPA</i>	AS	Drivas, G.T., et al., EMBL Sequence Data Library, February 19, 1991, Accession No. X53143
<i>MPA</i>	AT	Chambon, P., et al., EMBL Sequence Data Library, February 7, 1992, Accession No. M84820

EXAMINER

*MPA Allen*

DATE CONSIDERED

*8/14/97*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(Rev. 7-80)U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
SCHERING 3.0-017 CIP CIPSerial No.  
08/509,359

LIST OF PRIOR ART CITED BY APPLICANT

(Use several sheets if necessary)

Applicant  
St. George-Hyslop et al.

Filing Date: July 31, 1995

Group ~~1819~~ 1818

## U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	AL						
	AM						
	AN						
	AO						
	AP						

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>MAA</i>	AR	Fleischhauer, K., et al., EMBL Sequence Data Library, March 31, 1992, Accession No. X63522
<i>MAA</i>	AS	YU, V.C., et al., EMBL Sequence Data Library, December 10, 1991, Accession No. M81766
<i>MAA</i>	AT	Sevigny, G., et al., EMBL Sequence Data Library, January 7, 1995, Accession No. U17104

EXAMINER

DATE CONSIDERED

*MP Allen* *8/14/97*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(Rev. 7-80)U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
SCHERING 3.0-017 CIP CIPSerial No.  
08/509,359

LIST OF PRIOR ART CITED BY APPLICANT

(See serial 1449 if necessary)

Applicant  
St. George-Hyslop et al.

Filing Date: July 31, 1995

Group ~~1819~~ 1818

## U.S. PATENT DOCUMENTS

*EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

## FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

## OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>MPA</i>	AR	Walkley, N.A., et al., EMBL Sequence Data Library, January 1, 1994, Accession No. X74801
<i>MPA</i>	AS	Hillier, L., et al., EMBL Sequence Data Library, April 22, 1995, Accession No. R12984
<i>MPA</i>	AT	Fujiwara, T., et al., EMBL Sequence Data Library, August 25, 1995, Accession No. D55326

EXAMINER

*MPA*

DATE CONSIDERED

8/14/97

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449  
(Rev. 7-80)U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
SCHERING 3.0-017 CIP CIPSerial No.  
08/509,359LIST OF PRIOR ART CITED BY APPLICANT  
81591

(Use several sheets if necessary)

JUL 17 1997

Applicant  
St. George-Hyslop et al.

Filing Date: July 31, 1995

Group 1810-1818

*EXAMINER INITIALS		DOCUMENT NUMBER		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

		DOCUMENT NUMBER		DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
								YES	NO
	AL								
	AM								
	AN								
	AO								
	AP								

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Hillier, L., et al., EMBL Sequence Data Library, March 6, 1995, Accession No. T64843
AS	
AT	

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





SHEET 1 OF 1

FORM RTO - 1449

SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT

ATTY DOCKET NO.: CAN-004 (7212/6)

APPLICANTS: St. George-Hyslop et al.SERIAL NO.: 08/509,359FILING DATE: July 31, 1995GROUP: ~~1819~~ 188

RECEIVED

APR 14 1997

GROUP 1800

## U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N
<i>MPA</i>	BA	WO 97/03999	2/6/97	PCT			6/26/96		
<i>MPA</i>	BB	WO 97/03192	1/30/97	PCT			7/5/96		
<i>MPA</i>	BC	WO 97/03086	1/30/97	PCT			6/26/96		

## OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								
EXAMINER <i>MP Allen</i>					DATE CONSIDERED <i>8/14/97</i>				



SHEET 1 OF 1

FORM PTO-1449  
SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT

ATTY DOCKET NO.: CAN-004 (7212/6)APPLICANTS: St. George-Hyslop et al.SERIAL NO.: 08/509,359FILING DATE: July 31, 1995GROUP: 1818  
T819

## U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
<i>MPA</i>	AA	5,449,604	9-12-95	Schellenberg et al.	435	6	10-21-92

## FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG Y/N

## OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)								

EXAMINER

*mpallen*

DATE CONSIDERED

*8/14/97*